

CLAIMS

I claim:

1. A portable ac power system for use with conventional household electrical items, comprising:

a portable housing defining an interior space, said portable housing having a top wall;

an outlet positioned on said top wall of said housing, said outlet being adapted for coupling with conventional electrical plugs;

an energy storage assembly positioned within said housing, said energy storage assembly being electrically coupled to said outlet, said energy storage assembly supplying electrical energy to said outlet.

2. The system of claim 1, wherein said energy storage assembly further comprises:

an energy storage means positioned within said portable housing, said energy storage means storing electrical energy until needed by a user; and

an inverter assembly electrically coupled between said energy storage means and said outlet, said inverter assembly converting dc electrical current from said energy storage means to ac current for said outlet, said inverter assembly being positioned within said portable housing.

3. The system of claim 1, further comprising a recharging assembly, said recharging assembly being electrically couplable to a conventional household ac outlet, said recharging assembly form electrically couplable to said energy storage assembly for recharging said energy storage assembly when said energy storage assembly is not in use.

4. The system of claim 3, wherein said recharging assembly further comprises a case having a main portion and a lid portion, said main portion having a cavity therein said cavity being for selectively receiving said portable housing, said recharging assembly having an electrical cord assembly extending from said main portion for selectively coupling to a conventional household outlet.

5. The system of claim 4, wherein said recharging assembly further comprises a handle member to facilitate transport of said system.

6. The system of claim 4 further comprising a charge indicator positioned in said main portion of said recharging assembly, said charge indicator being electrically couplable to said energy storage means for indicating an amount of electrical energy stored in said energy storage means.

7. The system of claim 4, wherein said energy storage means comprises an energy storage device selected from a group of energy storage devices consisting of battery, capacitor, and fuel cell.

8. A portable ac power system for use with conventional household electrical items, comprising:

a pair of portable power supply devices;

a recharging assembly, said recharging assembly being electrically couplable to a conventional household ac outlet, said recharging assembly form electrically couplable to each one of said pair of portable power supply devices, said energy storage assembly for recharging said portable power supply devices;

said recharging assembly further comprises a case having a main portion and a lid portion, said main portion having a pair of cavities therein, each one of said pair of cavities cavity being for selectively receiving an associated one of said pair of portable power supply devices, said recharging assembly having an electrical cord assembly extending from said main portion for selectively coupling to a conventional household outlet;

said recharging assembly further comprises a handle member to facilitate transport of said system.

9. The system of claim 8, further comprising a pair of charge indicators positioned in said main portion of said recharging assembly, each one of said pair of charge indicators being electrically couplable to an associated one of said pair of portable power supply devices for indicating an amount of electrical energy stored in said portable power supply devices.

10. The system of claim 8, wherein each one of said pair of portable power supply devices further comprises:

a portable housing defining an interior space, said portable housing having a top wall;

an outlet positioned on said top wall of said housing, said outlet being adapted for coupling with conventional electrical plugs;

an energy storage assembly positioned within said housing, said energy storage assembly being electrically coupled to said outlet, said energy storage assembly supplying electrical energy to said outlet.

11. The system of claim 10, wherein each one of said pair of portable power supply devices further comprises:

an energy storage means positioned within said portable housing, said energy storage means storing electrical energy until needed by a user; and

an inverter assembly electrically coupled between said energy storage means and said outlet, said inverter assembly converting dc electrical current from said energy storage means to ac current for said outlet, said inverter assembly being positioned within said portable housing.

12. The system of claim 11, wherein said energy storage means comprises an energy storage device selected from a group of energy storage devices consisting of battery, capacitor, and fuel cell.